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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/777,142	02/13/2004	Shigeo Ide	107156-00229	3787

7590 07/26/2006

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EXAMINER
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AL NAZER, LEITH A

ART UNIT	PAPER NUMBER
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2821

DATE MAILED: 07/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/777,142

Applicant(s)

IDE ET AL.

Examiner

Leith A. Al-Nazer

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 22 May 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

Tan Ho  
TAN HO  
PRIMARY EXAMINER

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-9 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 7,002,812 to Sakaki.

With respect to claim 1, Sakaki teaches a flat panel type display apparatus, comprising: a display section main body having a plurality of display electrodes ("PIXEL REGION"; figure 12C) arranged thereon; and a tape carrier package (COF; figure 12C; column 6, lines 42-50) connected to the display electrodes, wherein one end of the display section main body is formed with: i) a first terminal group (center group of lines in darkened/dashed area in figure 12C) connected to the plurality of display electrodes, ii) a second terminal group (two groups of lines adjacent the center group of lines and at either end of the darkened/dashed area in figure 12C) positioned adjacent to the first terminal group, wherein the second terminal group comprises a first plurality of connecting terminals, and iii) a third terminal group (located at FPC; figure 12C) comprising a second plurality of connecting terminals, wherein only each of the first

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plurality of connecting terminals are directly connected to a corresponding one of the second plurality of connecting terminals via at least one wire on a common substrate (figure 12C), wherein a connection end of the tape carrier package is connected to the first terminal group and the second terminal group, and wherein a flat cable (FPC) for external wiring is connected with the third terminal group (figure 12C).

With respect to claim 2, Sakaki teaches the flat cable being formed by FPC or FFC (figure 12C).

With respect to claim 3, Sakaki teaches the first and second terminal groups being collected in a predetermined area at one end of the display section main body, the connection end of the tape carrier package being connected through one operation to the first and second terminal groups formed and collected in the predetermined area (figure 12C).

With respect to claim 4, Sakaki teaches the first and second terminal groups being formed by being arranged in one column in the predetermined area at one end of the display section main body (C3; figure 12C).

With respect to claim 5, Sakaki teaches the tape carrier package being formed having connecting terminal groups to be connected to the first and second terminal groups located in a connecting terminal section (C3, D3; figure 12C), and an electronic device (IC) being connected between the connecting terminal group to be connected to the first terminal group and the connecting terminal group to be connected to the second terminal group (figure 12C).

With respect to claim 6, Sakaki teaches the electronic device being an integrated circuit device for supplying an electric power for display to the plurality of display electrodes ("PIXEL REGION"; figure 12C).

With respect to claim 7, Sakaki teaches the flat cable (FPC; figure 12C) being connected between a circuit board (IC and COF; figure 12C) and the third terminal group (located at end of FPC; figure 12C).

With respect to claim 8, Sakaki teaches an interval between the first, second terminal groups and the third terminal group being larger than a length of the tape carrier package (figure 12C). The third terminal group is located at the end (bottom) of the FPC, which is located at a greater interval/distance than the overall length of the tape carrier package (COF; figure 12C; column 6, lines 42-50).

With respect to claim 9, Sakaki teaches the first and second terminal groups being separate and distinct from each other (figure 12C).

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1-8 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

#### ***Communication Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leith A. Al-Nazer whose telephone number is 571-272-1938. The examiner can normally be reached on Monday-Friday, 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LA

  
TAN HO  
PRIMARY EXAMINER